

(182)

New search

(103)

Connecting via Winsock to STN

Welcome to STN International! Enter x:

x

Welcome to STN International! Enter x:

LOGINID:sssptal626gms

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	40	Jan 21	NUTRACEUT offering one free connect hour in February 2003

NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC
NEWS 43 Feb 13 CANCERLIT is no longer being updated

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:17:03 ON 19 FEB 2003

=> s chlorosulfonic?

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FIL CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'CAPLUS' ENTERED AT 14:17:48 ON 19 FEB 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 19 Feb 2003 VOL 138 ISS 8

FILE LAST UPDATED: 18 Feb 2003 (20030218/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

Golam Shameem

=> s chlorosulfonic?

L1 3630 CHLOROSULFONIC?

=> s l1 and sulfonating

3496 SULFONATING

L2 196 L1 AND SULFONATING

=> s l2 and dioxane

77882 DIOXANE

2265 DIOXANES

78382 DIOXANE

(DIOXANE OR DIOXANES)

L3 7 L2 AND DIOXANE

=> d ibib abs hitstr l3 tot

L3 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:416501 CAPLUS

DOCUMENT NUMBER: 135:32733

TITLE: Mono- and disaccharide derivatives containing both fatty acid ester and sulfate ester groups

INVENTOR(S): Hilgers, Lucas Alfonsus Theodorus; Blom, Anneke Georgine

PATENT ASSIGNEE(S): Stichting Dienst Landbouwkundig Onderzoek, Neth.

SOURCE: Eur. Pat. Appl., 37 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1104767	A1	20010606	EP 1999-204044	19991130
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
WO 2001040240	A2	20010607	WO 2000-NL878	20001130
WO 2001040240	A3	20020207		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1233969	A2	20020828	EP 2000-989042	20001130
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

PRIORITY APPLN. INFO.: EP 1999-204044 A 19991130

WO 2000-NL878 W 20001130

AB The present invention relates to a novel family of monosaccharide derivs. and disaccharide derivs. and to methods of prepn. thereof. The novel mono- and disaccharide derivs. have both fatty acid ester and sulfate ester groups and are useful as adjuvant and emulsifier for, inter alia, medical, pharmaceutical, cosmetic and food applications.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:758131 CAPLUS

DOCUMENT NUMBER: 133:281797

TITLE: Synthesis of sildenafil

INVENTOR(S): Fu, Heliang; Wang, Xiaoyan; Pang, Baohua; Wang, Ning; Ji, Shangzhong

PATENT ASSIGNEE(S): Tianpu Biochemical Pharmaceutical Co., Ltd., Guangdong, Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 14 pp. CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
CN 1246478	A	20000308	CN 1999-109552	19990712
CN 1092660	B	20021016		

PRIORITY APPLN. INFO.: CN 1999-109552 19990712

OTHER SOURCE(S): CASREACT 133:281797

AB The process comprises methylating Et 3-propylpyrazole-5-carboxylate with di-Me sulfate at 90.degree. for 2.5 h to obtain Et 1-methyl-3-propylpyrazole-5-carboxylate, hydrolyzing with 6M NaOH by refluxing for 3 h to obtain 1-methyl-3-propylpyrazole-5-carboxylic acid, nitrifying with fumed HNO₃/fumed H₂SO₄ at 60.degree. overnight, pouring into ice, filtering to obtain 1-methyl-4-nitro-3-propylpyrazole-5-carboxylic acid, chlorinating with SOCl₂. By refluxing for 3 h, acylating with NH₄OH to obtain 1-methyl-4-nitro-3-propylpyrazole-5-carboxamide, reducing with SnCl₂ 2H₂O in 95% ethanol by refluxing for 2 h to obtain 4-amino-1-methyl-3-propylpyrazole-5-carboxamide, acylating with 2-ethoxybenzoyl chloride in dichloromethane in the presence of triethylamine and 4-dimethylaminopyridine for 2 h to obtain 4-(2-ethoxybenzamido)-1-methyl-3-propylpyrazole-5-carboxamide, **sulfonating** with. **Chlorosulfonic** acid and SOCl₂ for 18 h to obtain 4-ethoxy-3-(5-aminocarbonyl-1-methyl-3-propylpyrazol-4-yl)carbamoylbenzenesulfonyl chloride; acylating with piperazine in dichloromethane for 3 h to obtain 1-[4-ethoxy-3-(5-aminocarbonyl-1-methyl-3-propylpyrazol-4-yl)carbamoylbenzenesulfonyl]piperazine, cyclizing in org. solvent in the presence of base and peroxide at 50-170.degree. for 2-72 h to obtain 1-[4-ethoxy-3-(6,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)benzenesulfonyl]piperazine, and methylating with CH₃I or di-Me sulfate in org. solvent in the presence of formaldehyde and formic acid at 0-120.degree. for 1-48 h.

L3 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:29106 CAPLUS

DOCUMENT NUMBER: 130:109876

TITLE: Aliphatic sulfonation. Part 16. Sulfonation of alkenes by chlorosulfuric acid, acetyl sulfate, and trifluoroacetyl sulfate

AUTHOR(S): Bakker, Bert H.; Cerfontain, Hans

CORPORATE SOURCE: Laboratory Organic Chemistry, University Amsterdam, Amsterdam, 1018 WS, Neth.

SOURCE: European Journal of Organic Chemistry (1999), (1), 91-96

CODEN: EJOCFK; ISSN: 1434-193X

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal
LANGUAGE: English

AB An exploratory study was made on the reaction of a no. of non-branched alkenes in CDCl₃ as an aprotic solvent, using ClSO₃H as reagent both in the presence and the absence of 1,4-dioxane-d₈ as complexing agent. Reaction of cyclopentene with 1.1 equiv ClSO₃H in CDCl₃ in the presence of 2.2 equiv 1,4-dioxane-d₈ at 0.degree. yielded quant. 1,2-cyclopentanesultone. Under similar reaction conditions, linear alkenes afforded the corresponding .beta.-sultones. The ClSO₃H-dioxane complex acted as a **sulfonating** reagent with the alkenes to yield the corresponding .beta.-sultones in a syn cycloaddn. of SO₃ to the C:C double bond. In the absence of 1,4-dioxane-d₈, the reaction of linear alkenes in CDCl₃ with ClSO₃H at -40.degree. led to the formation of sec-alkyl chlorosulfates, which were formed after initial protonation of the alkene by the strongly acidic ClSO₃H. Cyclopentyl chlorosulfate in CDCl₃ at 0.degree. was quant. converted into 1,2-cyclopentanesultone. The sec-alkyl chlorosulfates at 0.degree. gave rise to a mixt. of the internal trans- and cis-.beta.-sultones. Reaction of 1-octene with both AcOSO₃H and CF₃COSO₃H as reagent in CDCl₃ at -20.degree. directly afforded 1,2-octanesultone as well as (E)- and (Z)-2-octenesulfonate.

REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1988:440586 CAPLUS

DOCUMENT NUMBER: 109:40586

TITLE: Surfactants from lignin

INVENTOR(S): Naae, Douglas G.; Whittington, Lawrence E.; Ledoux, Will A.; Debons, Francis E.

PATENT ASSIGNEE(S): Texaco Inc., USA

SOURCE: U.S., 16 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4739040	A	19880419	US 1986-946270	19861224
US 4787454	A	19881129	US 1987-112316	19871023
CA 1287348	A1	19910806	CA 1987-552819	19871126
DE 3742963	A1	19880707	DE 1987-3742963	19871218

PRIORITY APPLN. INFO.: US 1986-946270 19861224

AB Surfactants used in a surfactant system to recover oil from underground formations are produced by reducing lignin in the presence of CO or H reducing agent at high temp. and pressure to produce low-mol. wt. lignin phenols and subjecting the lignin phenols to >1 or a combination of several reactions, e.g., alkoxylation, alkylation, sulfonation, sulfation, alkoxy-sulfation, and sulfomethylation. Thus, sulfated lignin phenols, prepd. by reducing kraft lignin or lignosulfonate under CO and/or H₂S at 310-350.degree. and sulfation, were evaluated for their enhanced oil recovery in single surfactant core floods, resulting in <21% of water flood residual oil recovery when used alone as primary surfactants.

L3 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1986:170575 CAPLUS

DOCUMENT NUMBER: 104:170575

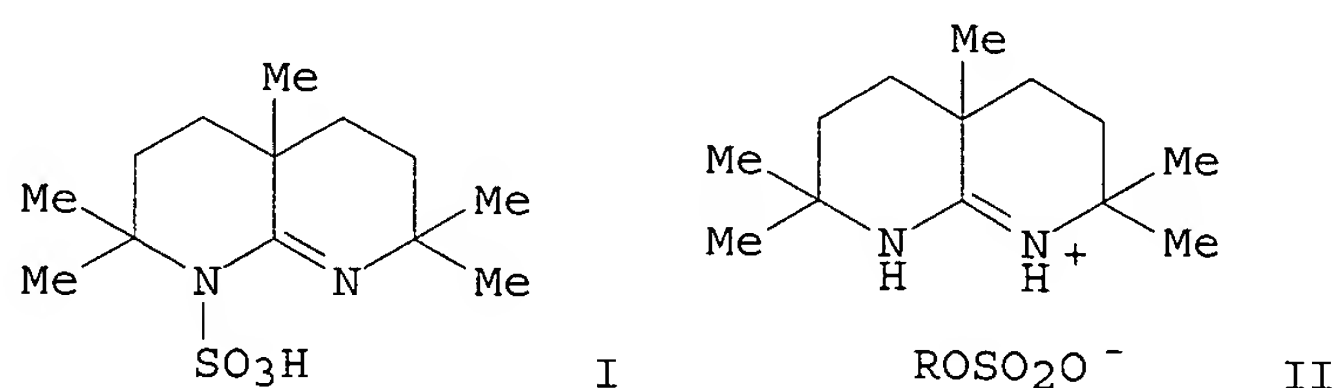
TITLE: Acyloxybenzenesulfonic acids and their alkali and

alkaline earth salts
INVENTOR(S): Balzer, Wolf Dieter; Bechtolsheimer, Hans Heinrich;
Beyer, Karl Heinz; Fikentscher, Johannes; Perner,
Johannes; Widder, Rudi; Wolf, Helmut
PATENT ASSIGNEE(S): BASF A.-G. , Fed. Rep. Ger.
SOURCE: Ger. Offen., 14 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3419795	A1	19851128	DE 1984-3419795	19840526
EP 163225	A1	19851204	EP 1985-106136	19850518
EP 163225	B1	19870107		
EP 163225	B2	19900530		
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
AT 24714	E	19870115	AT 1985-106136	19850518
CA 1253171	A1	19890425	CA 1985-482176	19850523
JP 60258156	A2	19851220	JP 1985-110603	19850524
ES 543483	A1	19860116	ES 1985-543483	19850524
US 4695412	A	19870922	US 1986-933354	19861119
PRIORITY APPLN. INFO.:			DE 1984-3419795	19840526
			EP 1985-106136	19850518
			US 1985-736847	19850522

OTHER SOURCE(S): CASREACT 104:170575
AB Compds. HO₃SC₆H₄O₂CR (R = C₅-11 alkyl) and their salts (useful as bleach activators, etc.) are prep'd. by the sulfonation of esters PhO₂CR with SO₃ or ClSO₃H at 20-80.degree. in the presence of a complexing agent for SO₃ or ClSO₃H, followed by acylation with RCOCl and, optionally, conversion to the salt and/or oxidative bleaching. The complexing agent is DMF, **dioxane**, urea, imidazole, melamine, or a similar comp'd. The process gives high yields with min. formation of byproducts. Thus, 234 parts Ph 3,5,5-trimethylhexanoate was mixed with 2.34 parts DMF, treated at .ltoreq.55.degree. with 122 parts ClSO₃H, freed of of unreacted ClSO₃H in vacuo, acylated with 3,5,5-trimethylhexanoyl chloride (amt. equal to concn. of free OH groups) at 50.degree., and neutralized with NaOH. The yield of Na (3,5,5-trimethylhexanoyloxy)benzenesulfonate was 85.0%, vs. 75.7 when DMF was omitted.

L3 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1983:575619 CAPLUS
DOCUMENT NUMBER: 99:175619
TITLE: A new **sulfonating** agent on hetero atoms
AUTHOR(S): Shibuya, Masayuki; Jinbo, Yoshikazu; Kubota, Seiju
CORPORATE SOURCE: Fac. Pharm. Sci., Univ. Tokushima, Tokushima, 770, Japan
SOURCE: Heterocycles (1983), 20(8), 1531-3
CODEN: HTCYAM; ISSN: 0385-5414
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 99:175619
GI



AB 3,3,6,9,9-Tetramethyl-2,10-diazabicyclo[4.4.0]dec-1-ene was treated with ClSO₃H to give N-sulfonic acid deriv. I, which was used to prep. O-sulfonic acids II (R = PhCH₂, 2-naphthyl). A mixt. of I, PhCH₂OH, THF, and **dioxane** was kept 30 min. at 50-5.degree. to give II (R = PhCH₂).

L3 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1961:134788 CAPLUS

DOCUMENT NUMBER: 55:134788

ORIGINAL REFERENCE NO.: 55:25378c-f

TITLE: Improvement of adhesivity of films of poly(.alpha.-olefins)

PATENT ASSIGNEE(S): "Montecatini" Societa generale per l'industria mineraria e chimica

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 868159		19610517	GB	
US 3112199		1963	US	

AB Adhesivity is conferred upon films, esp. of polypropylene, by treating with 1 or more chlorinating, **sulfonating**, or chlorosulfonating agents. The treated film may be further treated with an amine. Thus, a film of cryst. polypropylene is passed during 0.5 sec. at room temp. through a bath consisting of 2% **chlorosulfonic** acid in ClCH₂:CCl₂. The film is removed from the bath, kept at 20.degree. for 2 sec., washed with H₂O, and then passed during 0.5 sec. through a 2nd bath consisting of 2% iso-BuNH₂ in **dioxane**. The film is washed with H₂O and dried. Other suitable agents are Cl₂, SCl₂, concd. H₂SO₄, and SO₂Cl₂. Other suitable amines are tetramethylenepentamine, ethanolamine, diethanolamine, ethylenediamine, and ethylenimine. The treated films are useful as bases for photographic gelatin coatings. When laminated with themselves or with, e.g., films of polyesters or vinyl chloride-vinyl acetate copolymers, they are useful in packaging. Suitable adhesives for such lamination are epoxy resins in acetone, low-mol.-wt. polyamide resins, and poly(vinyl acetate)-poly(ethylenimine) mixts.

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
23.74	24.16

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

Golam Shameem

10090710

Page 8

02/19/2003

CA SUBSCRIBER PRICE

-4.56

-4.56

STN INTERNATIONAL LOGOFF AT 14:19:58 ON 19 FEB 2003